

CLAIMS:

1. A method of generating text messages, having the following steps:
  - processing of speech input containing message elements by means of grammar-based speech recognition procedures;
  - processing of speech input by means of speech model-based speech recognition procedures, either in parallel with processing by means of grammar-based speech recognition or once a recognition result has been obtained by means of the grammar-based speech recognition procedures which is not of a predefined quality;
  - generation of a text message using the recognition results produced by means of the grammar-based and/or speech model-based speech recognition procedures.
2. A method as claimed in claim 1, characterized in that processing of the speech input by means of speech model-based speech recognition procedures takes place when the recognition result produced by means of the grammar-based speech recognition procedures does not reach a predeterminable level-of-confidence threshold value.
3. A method as claimed in claim 1, characterized in that selection of a speech model from a number of speech models is provided depending on the results of the grammar-based speech recognition and
  - the selected speech model is used for processing by means of the speech model-based speech recognition procedures.
4. A method as claimed in claim 1, characterized in that the text message generated is presented to the sender by means of speech synthesis or visually for verification purposes, before it is sent to the recipient.
5. A method of generating text messages, having the following steps:
  - processing of speech input containing message elements by means of speech model-based speech recognition procedures in order to generate a word lattice representing word sequence alternatives;
  - processing of the word lattice by means of a parser;
  - generation of a text message using the recognition result produced by the parser or selection of a word sequence alternative from the word lattice.

6. A method of generating text messages, having the following steps:  
- processing of speech input by means of speech model-based speech  
recognition procedures, wherein various speech models are used to generate a corresponding  
number of recognition results;

5 - determination of level-of-confidence values for the recognition results;  
- generation of a text message using the recognition result with the best level-  
of-confidence value.

7. Use of the method as claimed in any one of claims 1 to 6 in operating an  
0 automatic dialog system, which transmits the generated text message via a  
telecommunications network.

8. A computer system having  
- means for processing speech input containing message elements by means of  
5 grammar-based speech recognition procedures;  
- means for processing speech input by means of speech model-based speech  
recognition procedures, either in parallel with processing by means of grammar-based speech  
recognition or once a recognition result has been obtained by means of the grammar-based  
speech recognition procedures which is not of a predefined quality;  
0 - means for generating a text message using the recognition results produced  
by means of the grammar-based and/or speech model-based speech recognition procedures.

9. A computer program for performing the method as claimed in any one of  
claims 1 to 6.

5 10. A computer-readable data storage medium, on which a computer program as  
claimed in claim 9 is stored.